


## ABSTRACT OF THE DISCLOSURE

*pubC1*  In a control system for executing application programs monitoring and controlling control system elements. Said control system including triplicated main processor modules which communicate with and number of selective field I/O modules which interface with control system elements, including but not necessarily limited to analog or digital, switches, sensors, or Relays, valves, and the like typically used a control system and a communication system module which interfaces said control system to external devices.. Said control system further including a common enclosure structure for separately housing each of said main processor modules, said I/O modules and said communication modules and mounting apparatus for securing various modules to a rail system. A plurality of different face place covers permit selective display of face place indicators. Said control system further including a time synchronization system for ensuring the main processor modules synchronize to the same time. Said control system further including a voting system and a voting mode selection system. Finally, said control system including a loop-back system to check transfers across a bus system in said control system.